

Suggested External Line Termination Network for Lucent 5 V Line Transceivers

©1999 Bel Fuse Inc. Specifications subject to change without notice. 06.99



TM9919A

HIGH FREQUENCY MAGNETICS

Application Note for Miniature Pulse Transformer

2795N Transformer Application Note

Symbol	Name	Value		
Zo	Characteristic impedance	75Ω (E1)	120Ω (E1)	100Ω (DS1)
CC	Center tap capacitor	0.1 μF	0.1 μF	0.1 μF
RR	Receive series resistor	36.5Ω	36.5Ω	30.1Ω
RS	Receive shunt resistor	64.9Ω	64.9Ω	53.6Ω
RT	Transmit series resistor	25.5Ω	25.5Ω	4.6Ω
T1, T2	Bel part number	2795N	2795N	2795N

Table 1. Line termination components and values

©1999 Bel Fuse Inc. Specifications subject to change without notice. 06.99

CORPORATE

Bel Fuse Inc.
198 Van Vorst Street
Jersey City, NJ 07302
Tel 201-432-0463
Fax 201-432-9542
www.belfuse.com

FAR EAST

Bel Fuse Ltd.
8F / 8 Luk Hop Street
San Po Kong
Kowloon, Hong Kong
Tel 852-2328-5515
Fax 852-2352-3706
www.belfuse.com

EUROPE

Bel Fuse Europe Ltd.
Preston Technology Management Centre
Marsh Lane, Suite F23, Preston
Lancashire, PR1 8UD, U.K.
Tel 44-1772-556601
Fax 44-1772-888366
www.belfuse.com